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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/668,719	09/23/2003	Jeffrey Daniel Williams	14270	2444	
Sally I Brown	7590 07/31/2007 Sally J. Brown			EXAMINER	
AUTOLIV AS	P, INC.		CULBRETH, ERIC D		
3350 Airport R Ogden, UT 844		•	ART UNIT	PAPER NUMBER	
			3616		
	•				
			MAIL DATE	DELIVERY MODE	
			07/31/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	Application No.	Applicant(s)				
	10/668,719	WILLIAMS, JEFFREY DANIEL				
Office Action Summary	Examiner	Art Unit				
	Eric Culbreth	3616				
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet	with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUN 136(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become	IICATION. a reply be timely filed DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 23 M	1) Responsive to communication(s) filed on 23 May 2007.					
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-6,8-16 and 18-39</u> is/are pending in the application.						
4a) Of the above claim(s) 28-39 is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-6,8-16 and 18-20</u> is/are allowed.						
6)⊠ Claim(s) <u>21-27</u> is/are rejected.						
7) Claim(s) is/are objected to						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attach	ed Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the price	ority documents have bee	n received in this National Stage				
application from the International Burea						
* See the attached detailed Office action for a list of the certified copies not received.						
·						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 		f Informal Patent Application				

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 21-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 21, last line there is no antecedent basis for "the inflator sleeve".

Claim Rejections - 35 USC § 103

- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. Claims 21-27 as best understood are rejected under 35 U.S.C. 103(a) as being unpatentable over Rose US006588793B2 in view of Spencer et al US005687987 and Taguchi et al US005951038A.

Rose discloses an airbag module comprising an inflator 26, an airbag cushion with a cushion throat and a cushion portion (Figure 1B), and a one-piece clamshell diffuser 64 forming an inflator housing (note Figure 4, the left end of diffuser 64, where the sleeve is one piece). The housing forms an inflator sleeve that receives and closes about the inflator in Figure 4. Spencer et al discloses a diffuser sleeve 83 on inflator sleeve 82, the diffuser sleeve formed of first and second sleeve walls 84. The outlet port(s) 44 of the inflator 40 extend into the diffuser sleeve 83 such that the diffuser

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sleeve directs inflation gas produced by the inflator. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Rose to include a diffuser sleeve with first and second sleeve wall such as taught by Spencer et al in order to allow the diffuser to direct gas (see Rose, the primary reference, at column 11, lines 14-17, where the primary reference teaches the diffuser may be used to direct gas). In the combination the sleeve walls would contact each other on the interior of the cushion in keeping with Rose's diffuser walls. As there is no antecedent basis for the inflator sleeve, as best understood the combination meets the positive limitations of the claim. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify further Rose and Spencer et al to include a loop diffuser in the cushion throat at taught by Taguchi et al's inner bag 22 in order to direct gas as desired, upward or downward as disclosed in Taguchi et al's abstract (claim 21). Taguchi et al's loop diffuser in the combination has at least one diffuser orifice to allow inflation gas to pass between the throat portion and cushion portion, and the loop diffuser has a windshield facing panel and occupant facing panel attached to form a closed sleeve (Figure 2B), with each panel having a diffuser orifice 22b, 22a in Figure 3 (claims 22-26). Rose's cushion is an overhead cushion (claim 27).

Allowable Subject Matter

5. Claims 1-6, 8-16 and 18-20 are allowed.

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6. The following is an examiner's statement of reasons for allowance: Regarding claims 1 and 11, the prior art does not teach or suggest, in combination with the other elements and relationships recited, the outlet port extending into the diffuser sleeve and the diffuser sleeve substantially transverse to the inflator sleeve. In Rose, the outlet port(s) would not extend into the diffuser sleeve, and in Spencer et al the outlet port(s) would not extend into diffuser sleeve 83, but rather into an end of inflator sleeve 82 which is not transverse to itself.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Culbreth whose telephone number is 571/272-6668. The examiner can normally be reached on Monday-Thursday, 9:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Dickson can be reached on 571/272-6669. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eric Culbreth

Primary Examiner

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